

# L1\_Cal Int/Comm Team Toolbox

## January 30 –February 3, 2006

<b>Mon, Jan. 30</b> Earnest George Lyn Mike Ted Selcuk	ADF→TAB: TAB de-skewing parameter shows slight decrease in parity errors. Removed resistor to ground connection on PLL line. 100 Ohm res. tied high remains. No effect. Grounding of crates verified.  8:30PM e-mail from Mike tells of SUCCESS! Main points: <ol style="list-style-type: none"> <li>1. De-skewing essential—timing too tight between ADF/TAB.</li> <li>2. ADF crate B misbehaving. Dan will investigate when he arrives Wed.</li> <li>3. Several single channels bad due to bent pins or bad cables.</li> </ol>
<b>Tues, Jan. 31</b> Earnest George Lyn Mike Ted Selcuk	ADF→TAB: Adding more TAB cards. Algo: Sabine checking Em this afternoon. Correlation run needs to be done at end of reg. store.
<b>Wed, Feb. 1</b> Earnest Lyn Mike Ted Sabine Selcuk	ADF→TAB: 4 TABS installed. 3-4 channels per TAB + 1 additional channel prob. on 1 <sup>st</sup> TAB. Installing final 4 TABS. 12:30 email from Mike—22 single cable problems without ADF-B in the system. Spurious channel problem on 1 <sup>st</sup> TAB intermittent—now gone. GAB→L2/L3: Sync gap length verified. Set up payload test...Working on header format. Algo: 2 TT Em algo matched Sim. Pseudo random not correct. Updating Cory code to match simulation updates. Checking today. Selcuk has decided to join us....YEAH!
<b>Thurs, Feb. 2</b> Dan Earnest Lyn Mike Ted Selcuk	ADF→TAB: ADF crate B operating parameters different than expected. Dan reset them to what he wants. LVDS testing continues, single channel troubleshooting underway. TAB→L3: 30K and 10K events taken with TCC configured readout crate. No problems. GAB→L2: Payload test planned for today.
<b>Fri, Feb. 3</b> Dan Earnest Lyn Selcuk Ted	Voltage measured at TAB end of all LVDS cables. Found bent backplane pins mostly on back of crate, 1 instance on front. Some # of cables replaced. Ted is acting as liason with PREP to repair spare and test TAB backplane.